

## PIEZOELECTRIC ACTUATOR

BEST AVAILABLE COPY

Patent number: WO0057497

Publication date: 2000-09-28

Inventor: HEINZ RUDOLF [DE]; HENNEKEN LOTHAR [DE]

Applicant: BOSCH GMBH ROBERT [DE];; HEINZ RUDOLF [DE];; HENNEKEN LOTHAR [DE]

Classification:

- international: H01L41/083; H01L41/047

- european: H01L41/047; H01L41/083

Application number: WO1999DE03283 19991013

Priority number(s): DE19991013271 19990324

Also published as:

EP1173895 (A1)

US6573639 (B1)

DE19913271 (A1)

EP1173895 (B1)

Cited documents:

EP0362416

US5406164

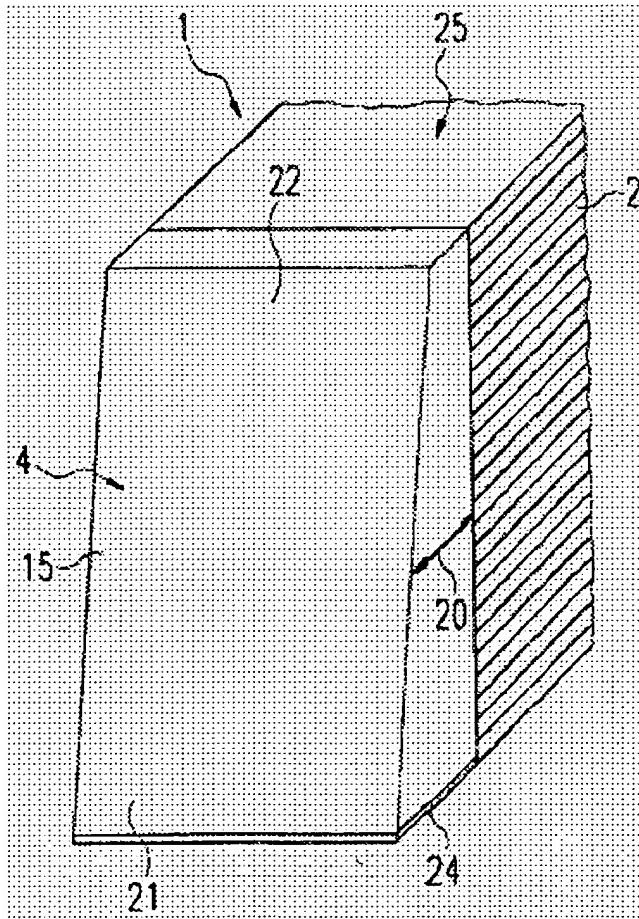
JP63169777

JP63009168

JP6296048

### Abstract of WO0057497

The invention relates to a piezoelectric actuator (1) comprising a plurality of plates (2) made of a piezoelectric material, which are disposed in such a way that they form a stack (25) in the direction of stacking, a plurality of flat inner electrodes (5, 6), alternatingly disposed with the plates (2) made of piezoelectric material and at least two outer electrodes (3, 4) placed on the outer side of the stack along the direction of stacking, wherein the inner electrodes (5, 6) are alternatingly connected to one of the outer electrodes (3, 4) by means of a contact area. According to the invention, the outer electrodes (3, 4) are placed in the form of a coating made of an elastic, electrically conductive polymeric material (15) on the outer side of the stack (25).



Data supplied from the esp@cenet database - Worldwide